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**Patent and Trademark Office**

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/627,194 07/27/00 OZAKI

K 1324.64545

EXAMINER

MM41/1107

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ART UNIT

PAPER NUMBER

2871

DATE MAILED:

11/07/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

**Office Action Summary**

Application No.

09/627,194

Applicant(s)

OZAKI ET AL.

Examiner

HOAN C. NGUYEN

Art Unit

2871

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Claim Objections*

1. Claim 2 is objected to because of the following informalities: Words "inter-later" should read as "interlayer." Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Henley (US5459410A).

Henley discloses in Figs. 11-13 that a method for repairing a defect in a display having pixel region formed on a substrate comprises the step of irradiating a multi-layer region formed by stacking a plurality of conductive layer with insulation layers interposed with a laser beam to selectively remove only an upper conductive layer or plurality of conductive layers in the vicinity of multi-layer region such that neither inter-layer short-circuit nor short-circuit in a single layer occurs in multi-layer region (column 3, lines 23-34 and lines 52-60). Henley also discloses in Figs 11b and 12c that a method for repairing a defect comprises the step of forming a bypass for a broken portion of a gate bus line by separating or connecting gate bus line from or a drain electrode or source electrode of TFT, as shown in Fig. 14, a pixel electrode or storage capacitor bus line (column 2, lines 48-43 and abstract.)

2. Claims 4 is rejected under 35 U.S.C. 102(b) as being anticipated by Johnson (US4752118).

Johnson discloses in Figs. 12-17 that a display having a plurality of bus lines formed in a display area comprises a repair line connectable to a plurality of extraction lines, for repairing lines breakable that has occurred at extraction wiring portion extending between display and respective terminals 140/or 162 for plurality of bus lines 136a/ or 156.

3. Claims 4 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Salisbury (US5303074A).

Salisbury discloses in Fig. 3 that a display having a plurality of bus lines formed in a display area comprises an auxiliary line or repair line 210/ or 250 formed in a layer under extraction wiring portion for bus lines 230/or 270 with an insulation film 220/or 240 interposed therebetween.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 4 and 5 are rejected under 35 U.S.C. 102(e) as being anticipated by Fujikawa et al. (US5995178A).

Fujikawa discloses in Figs. 3 and 4 that a display having a plurality of bus lines formed in a display area comprises an auxiliary line or repair line 41 formed in a layer

above extraction wiring portion 28 for bus lines 16/or 17 with an insulation film 22/or 45  
interposed therebetween.

*Conclusion*


Any inquiry concerning this communication or earlier communications from the  
examiner should be directed to HOAN C. NGUYEN whose telephone number is  
(703)306-0472. The examiner can normally be reached on MONDAY-  
THURSDAY:8:00AM-4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's  
supervisor, SIKES L WILLIAM can be reached on (703)308-4842. The fax phone  
numbers for the organization where this application or proceeding is assigned are  
(703)308-5841 for regular communications and (703)308-5841 for After Final  
communications.

Any inquiry of a general nature or relating to the status of this application or  
proceeding should be directed to the receptionist whose telephone number is (703)308-  
0530.

HOAN C. NGUYEN  
Examiner  
Art Unit 2871

chn  
November 5, 2001

  
William L. Sikes  
Supervisory Patent Examiner  
Technology Center 2800